

ABSTRACT

A serial/parallel conversion section 202 converts a channel A transmit digital signal 201 to parallel data with an arrangement in accordance with a frame configuration signal 222. An inverse discrete Fourier transform section 204 performs inverse discrete Fourier transform processing of channel A parallel signal 203. A radio section 206 converts signal 205 to radio frequency. A power amplification section 208 amplifies the power of the transmit signal 207. A serial/parallel conversion section 212 converts a channel B transmit digital signal 211 to parallel data with an arrangement in accordance with frame configuration signal 222. An inverse discrete Fourier transform section 214 performs inverse discrete Fourier transform processing of parallel signal 213. A radio section 216 converts the post-transform signal 215 to radio frequency. A power amplification section 218 amplifies the power of the transmit signal 217.